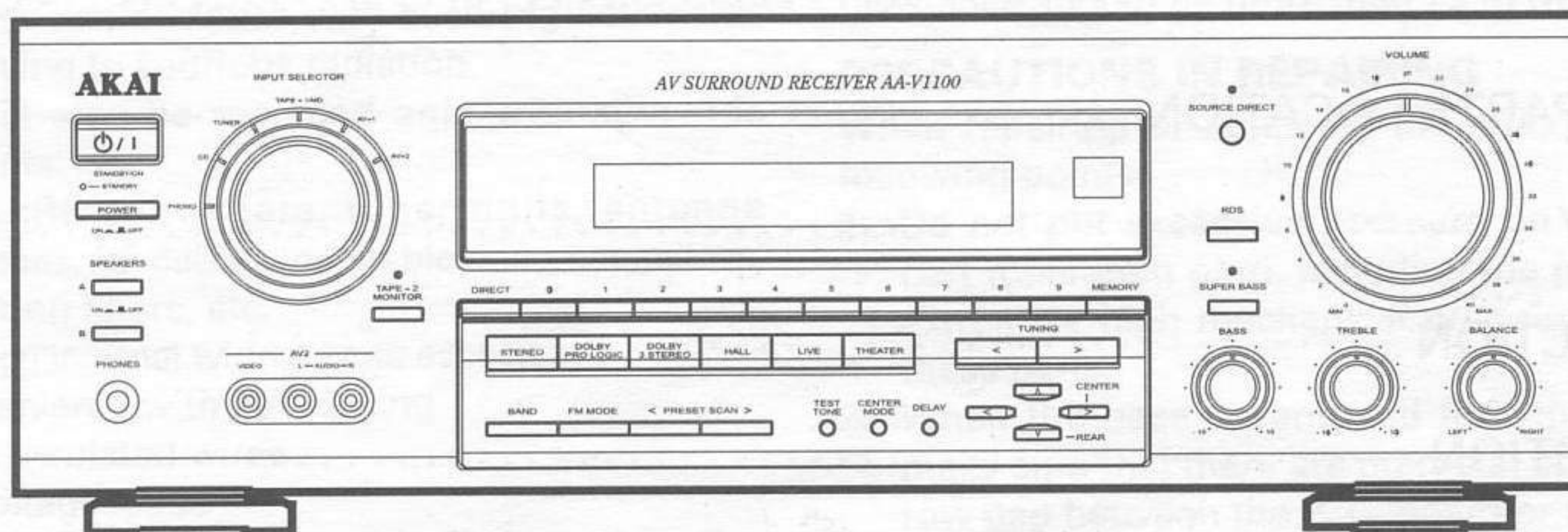


# AKAI SERVICE MANUAL



## AV SURROUND RECEIVER

### SPECIFICATIONS

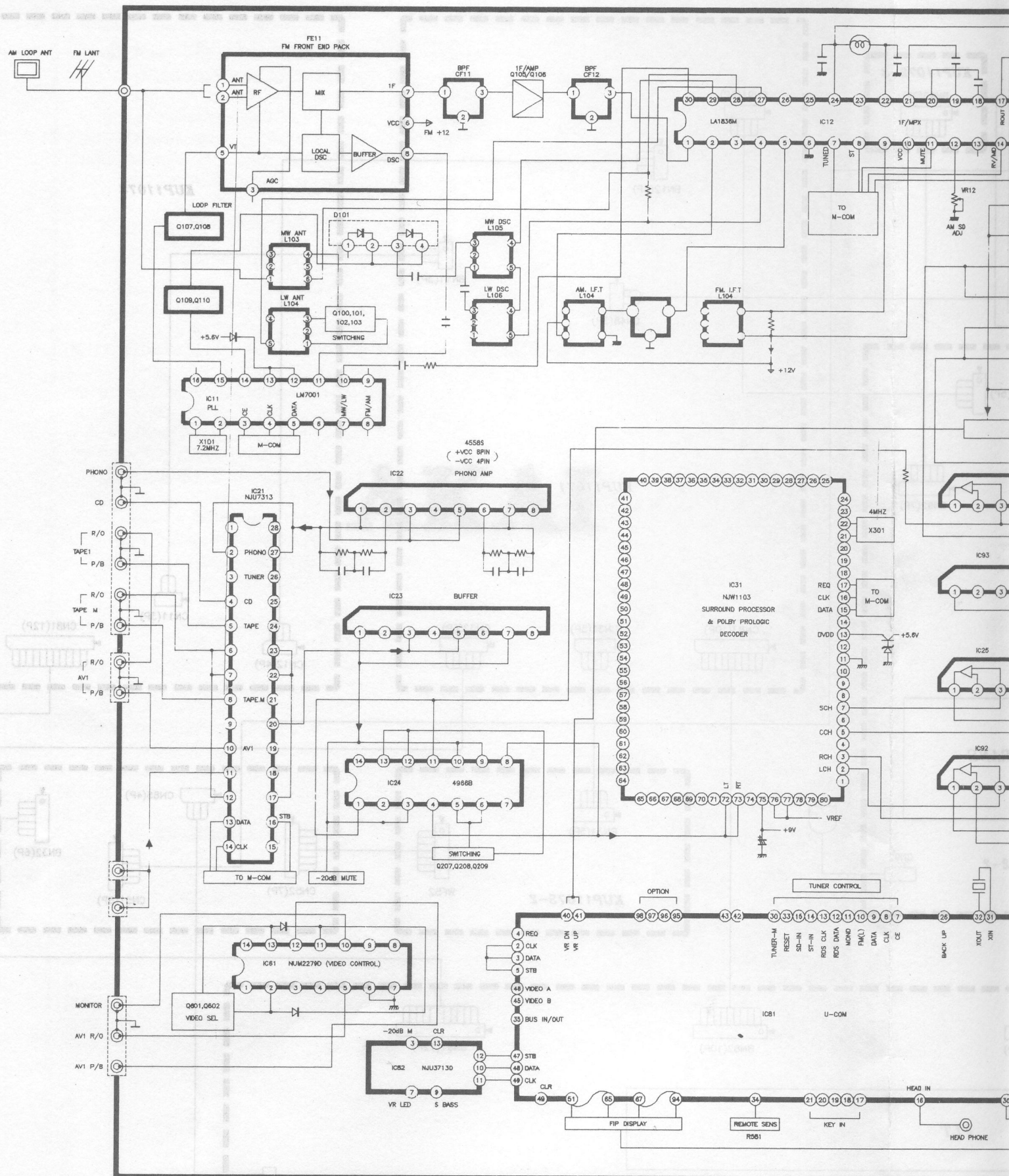
MODEL **AA-V1100**

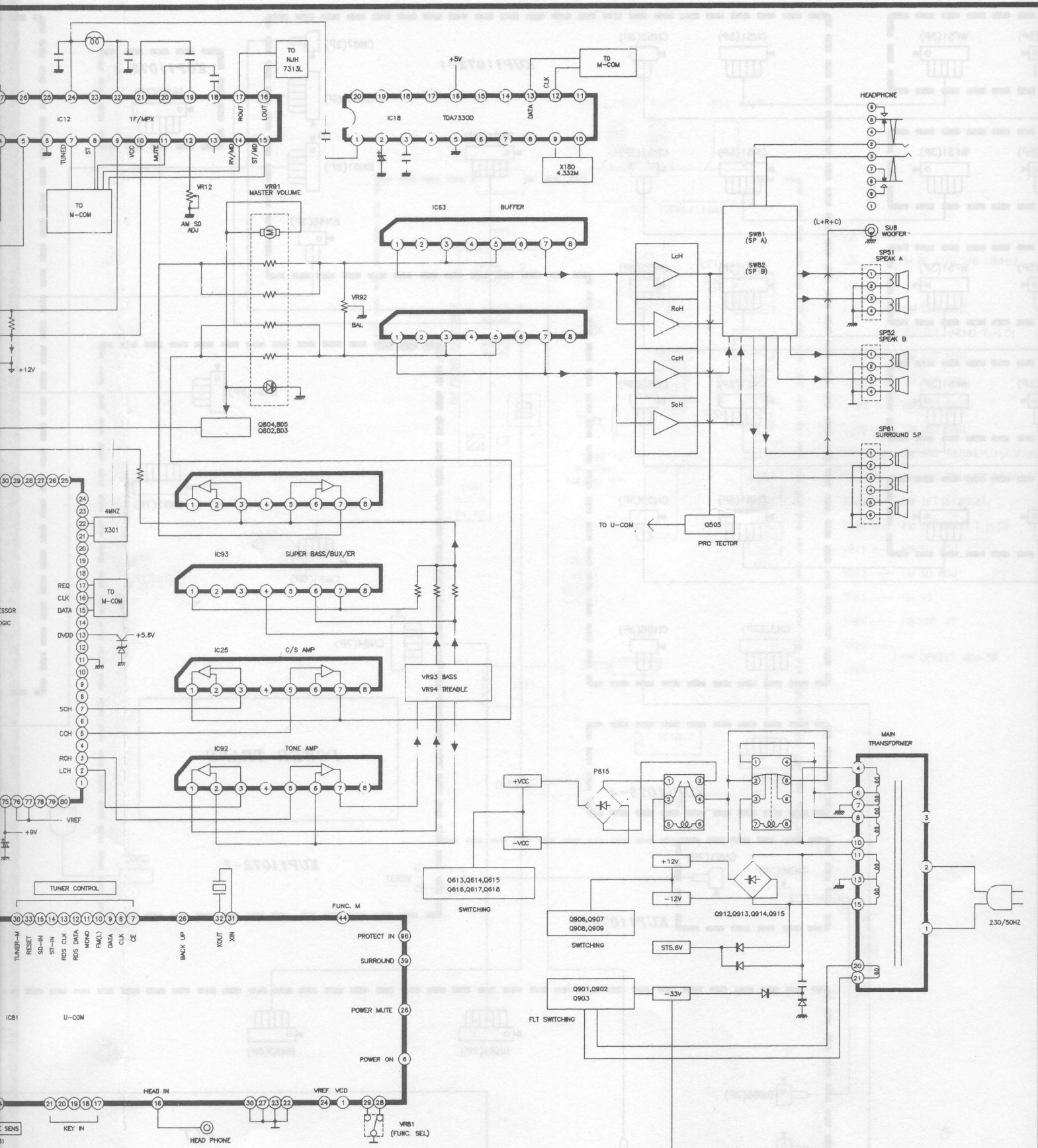
AMPLIFIER	TUNER
<p><b>1 When SOURCE DIRECT is "ON"</b>  Sensitivity and Impedance  PHONO : 2.5mV/47k<math>\Omega</math>  CD, TAPE, AV 1/2 : 200mV/22k<math>\Omega</math>  Frequency Response  PHONO(RIAA STANDARD CURVE)  :50Hz~15kHz (<math>\pm 1</math>dB)  CD, TAPE, AV 1/2 : 10Hz~100kHz  S/N Ratio  PHONO(IHF-A) : 70dB  CD, TAPE, AV(IHF-A) : 95dB  Power Output  50W, 1kHz, 8ohm, 0.08%  Tone control  Treble : <math>\pm 10</math>dB (10kHz)  Bass : <math>\pm 10</math>dB (100Hz)</p> <p><b>2 When SURROUND is "ON"</b>  (4 ch surround mode)  Power Output (at 1ch Drive)  Front : 40+40W (1kHz, 0.5% THD, 8ohm)  Rear : 20+20W (1kHz, 0.9% THD, 4ohm)</p> <p><b>3 When Dolby Pro Logic is "ON"</b>  Power Output (at 1ch Drive)  Front : 40+40W (1kHz, 0.5% THD, 8ohm)  Center : 40W (1kHz, 0.5% THD, 8ohm)  Rear : 20+20W (1kHz, 0.9% THD, 4ohm)</p>	<p><b>1 FM SECTION</b>  Frequency Range : 87.50MHz to 108.00MHz  (50kHz step)  Sensitivity (S/N 30dB) : 3.0<math>\mu</math>V  Total Harmonic Distortion  MONO : 0.3%  STEREO : 0.5%  Signal to Noise Ratio  MONO : 70dB  STEREO : 65dB  Frequency Response : 20Hz~15kHz  Image Rejection : 60dB  Stereo Separation (1kHz) : 30dB</p> <p><b>2 MW SECTION</b>  Frequency Range : 522kHz to 1620kHz  (9kHz step)  Sensitivity (S/N 30dB) : 55dB  Total harmonic Distortion : 1.5%  Signal to noise Ratio : 40dB  Image Rejection : 35dB</p> <p><b>3 LW SECTION</b>  Frequency Range : 146kHz to 290kHz  (1kHz step)  Sensitivity (S/N 20dB) : 60dB</p>
GENERAL	Standard accessories
Power consumption : 200W Power supply : AC 230V, 50Hz Dimension (W $\times$ H $\times$ D) : 430 $\times$ 142 $\times$ 355mm Weight : 7.6kg (net)	Remote control unit .....1 Operator's manual .....1

\* For improvement purposes, specifications and design are subject to change without notice.



# BLOCK DIAGRAM







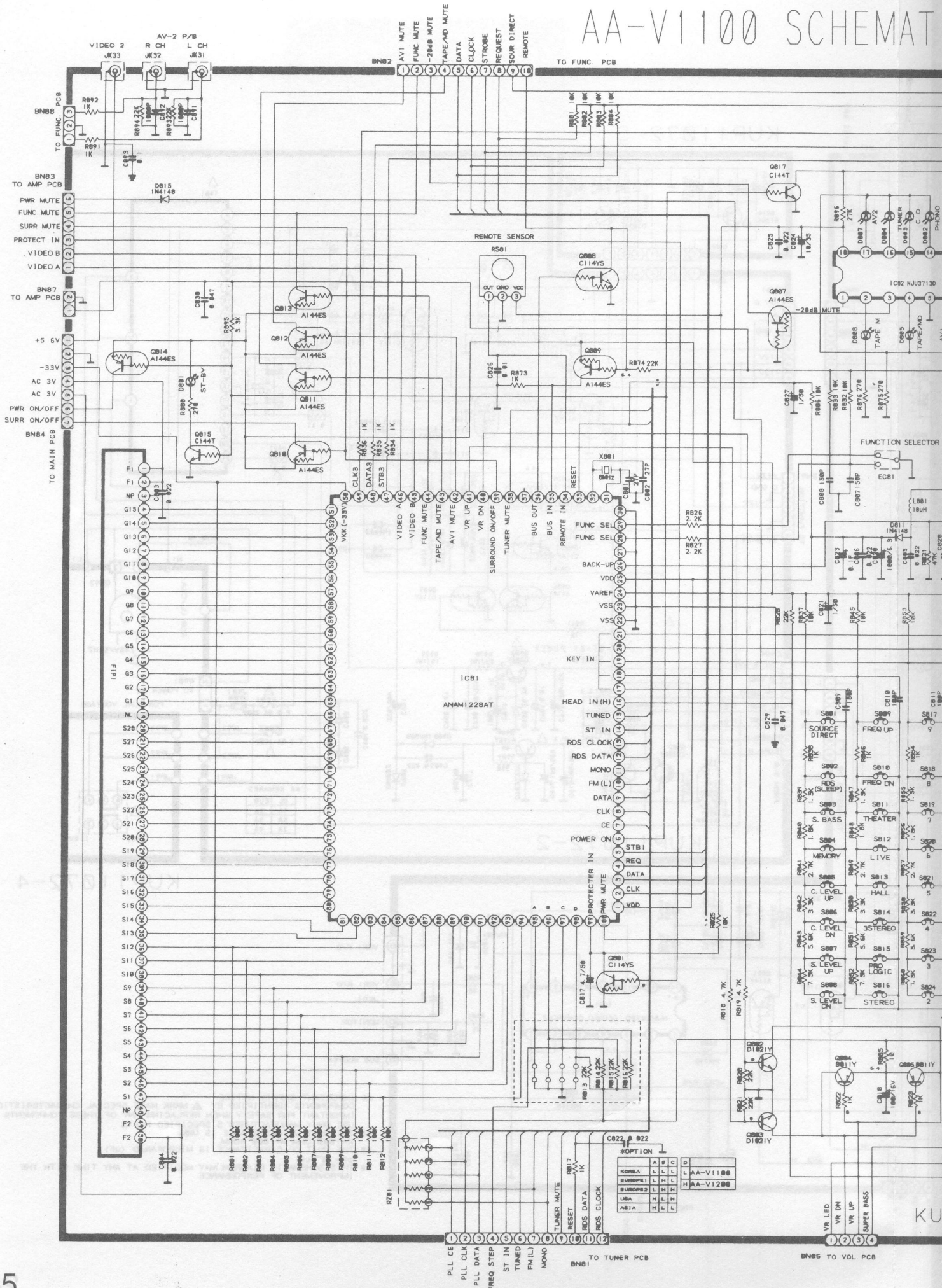






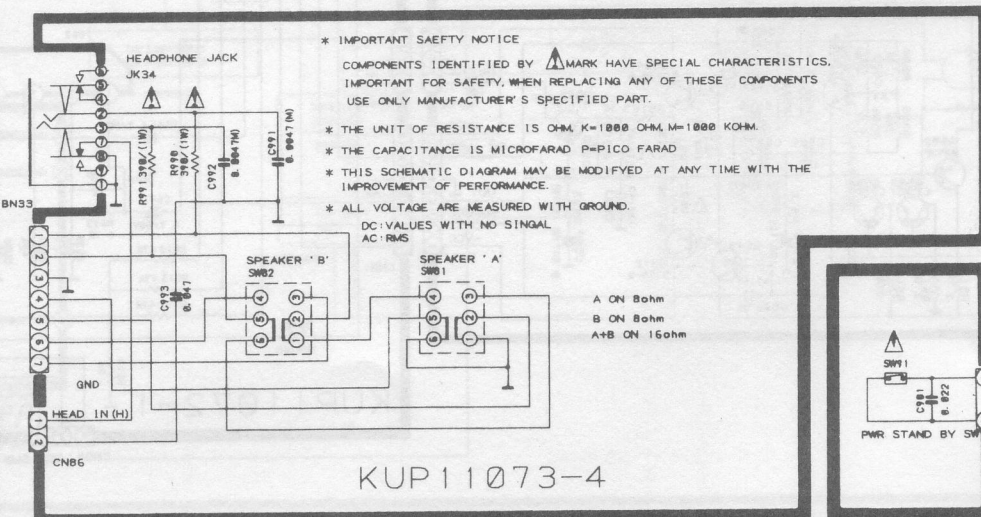
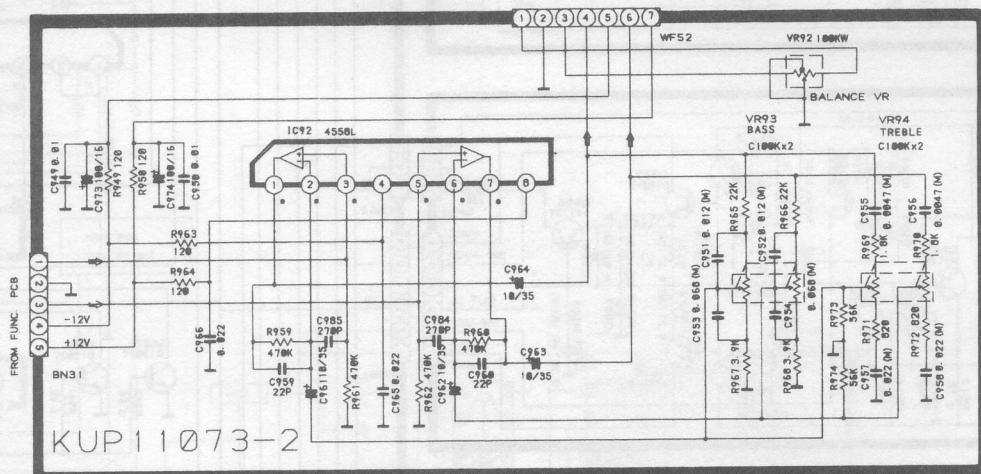
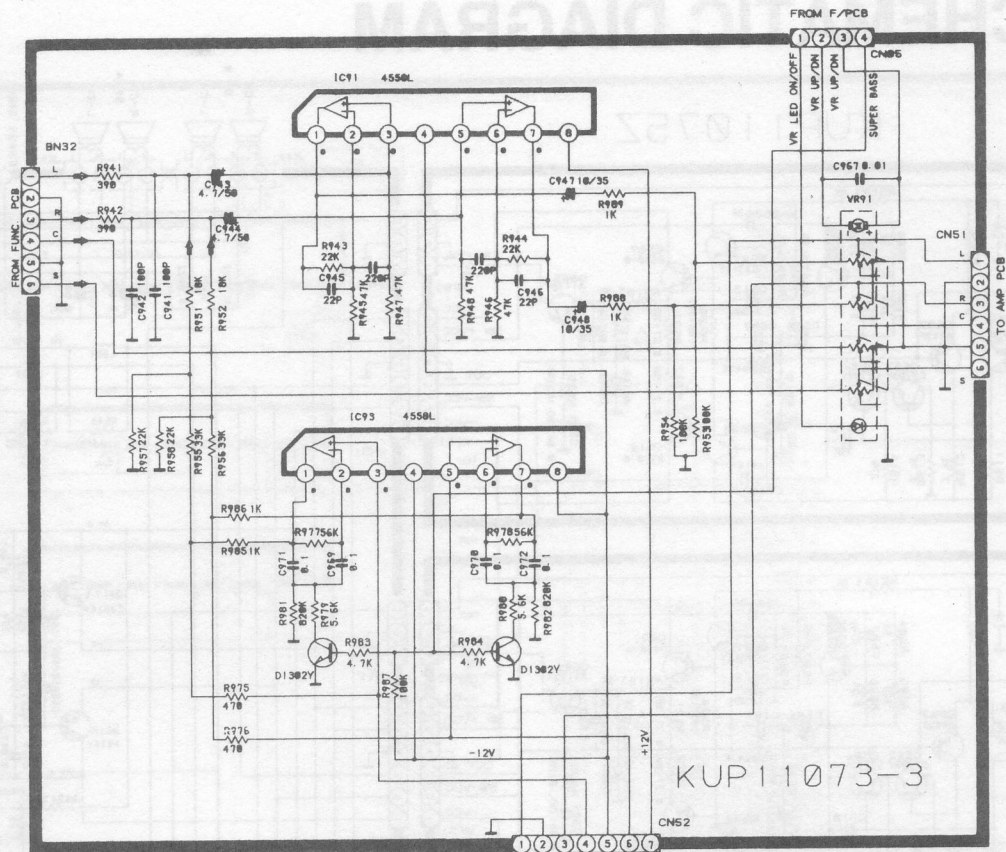
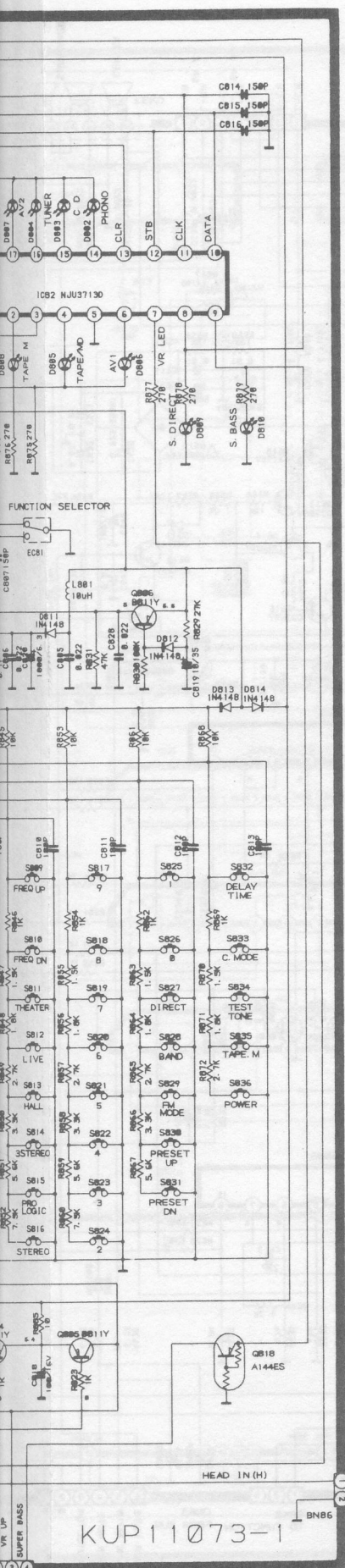


# AA-V1100 SCHEMATIC





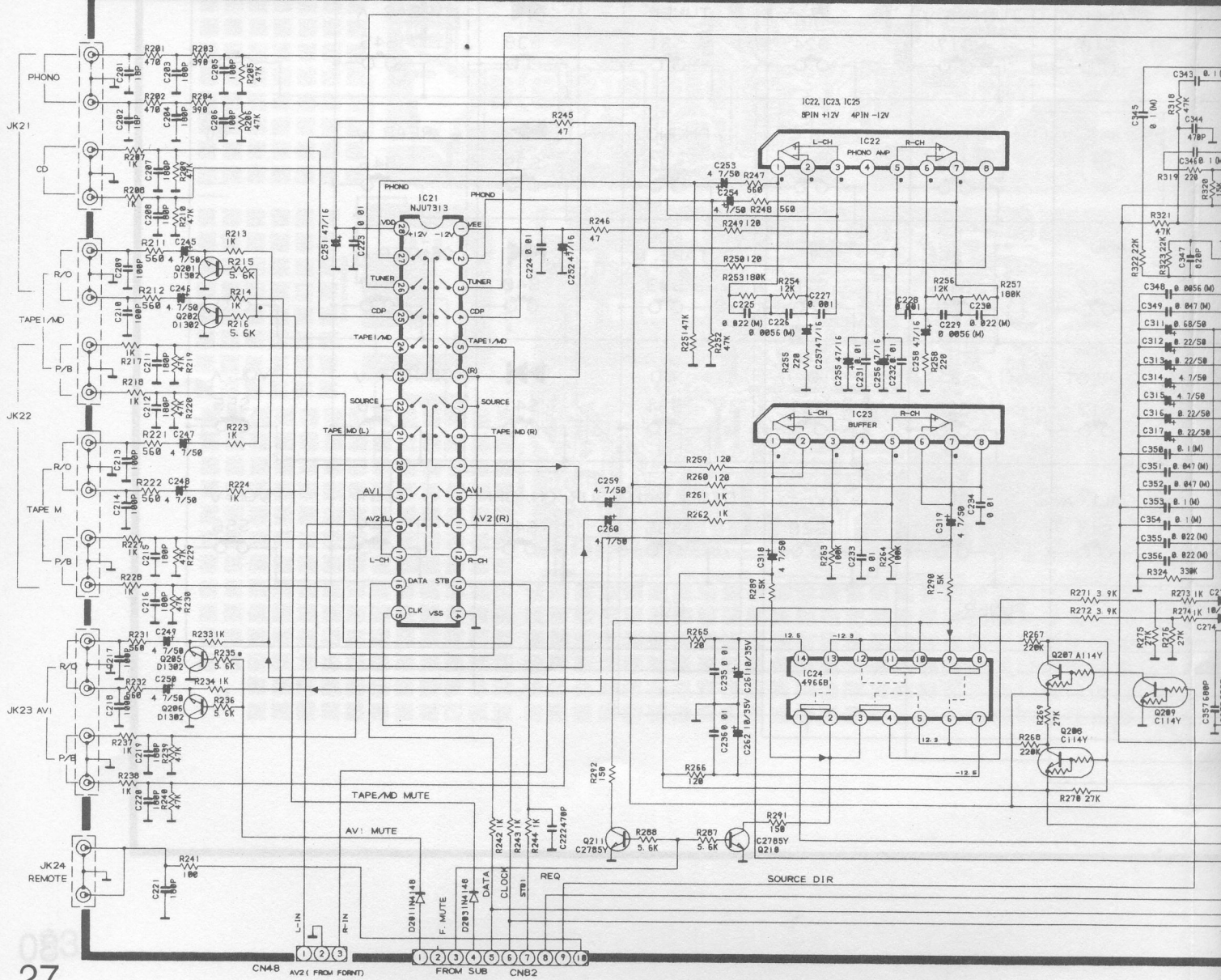
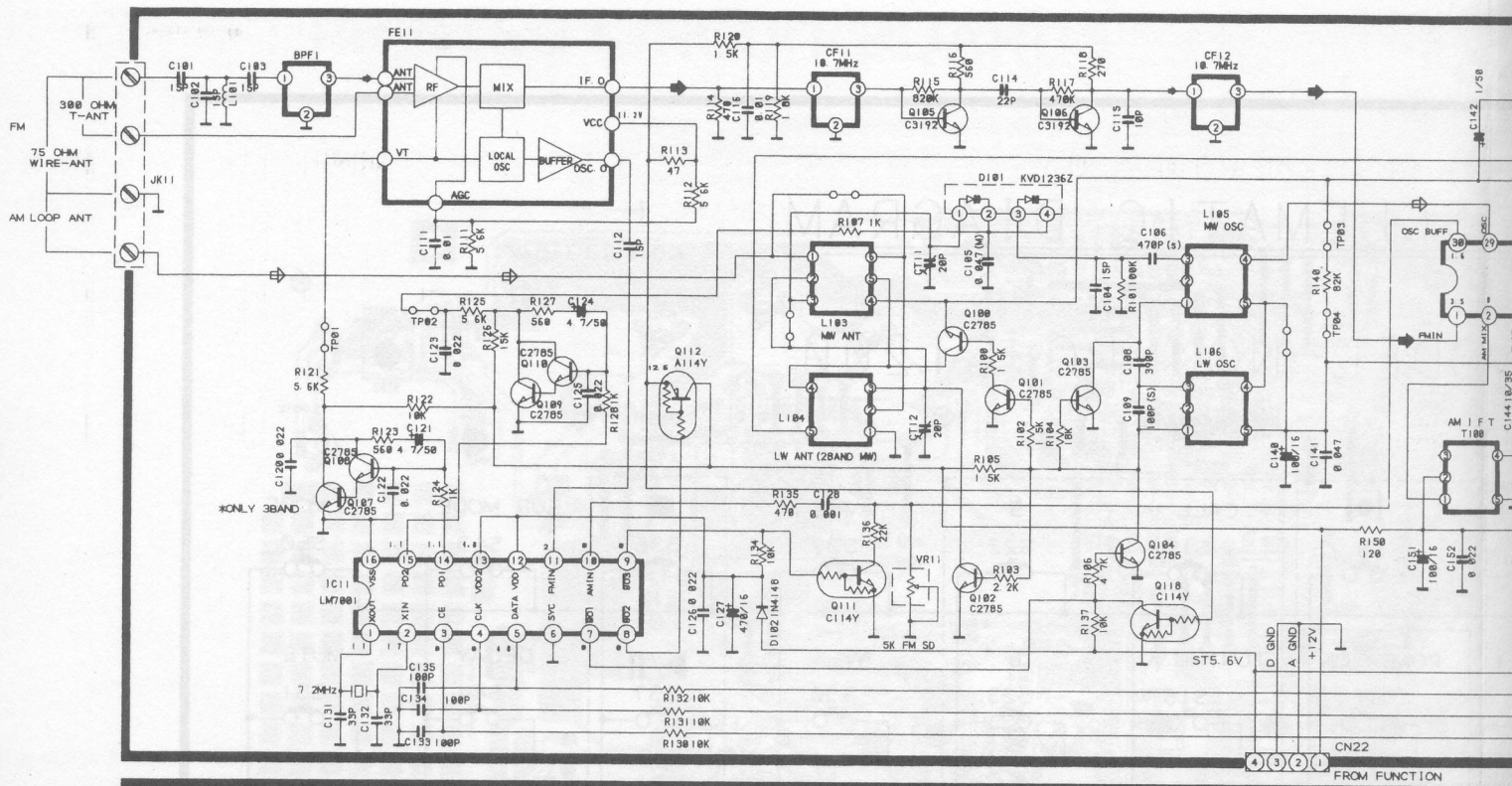
# SCHEMATIC DIAGRAM



KUP11073-5

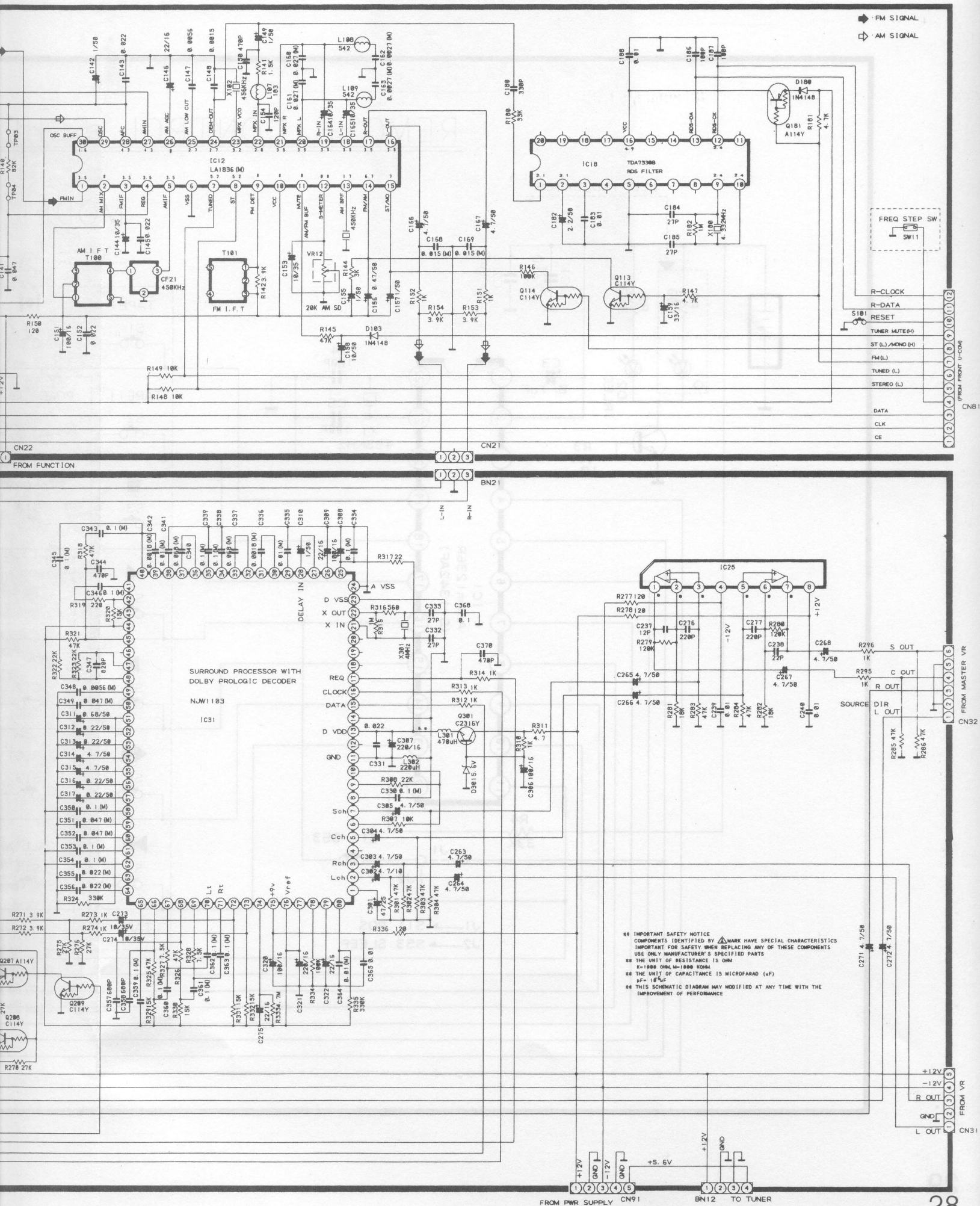


## AA-V1100 TUNER &amp; FUNC





## 28



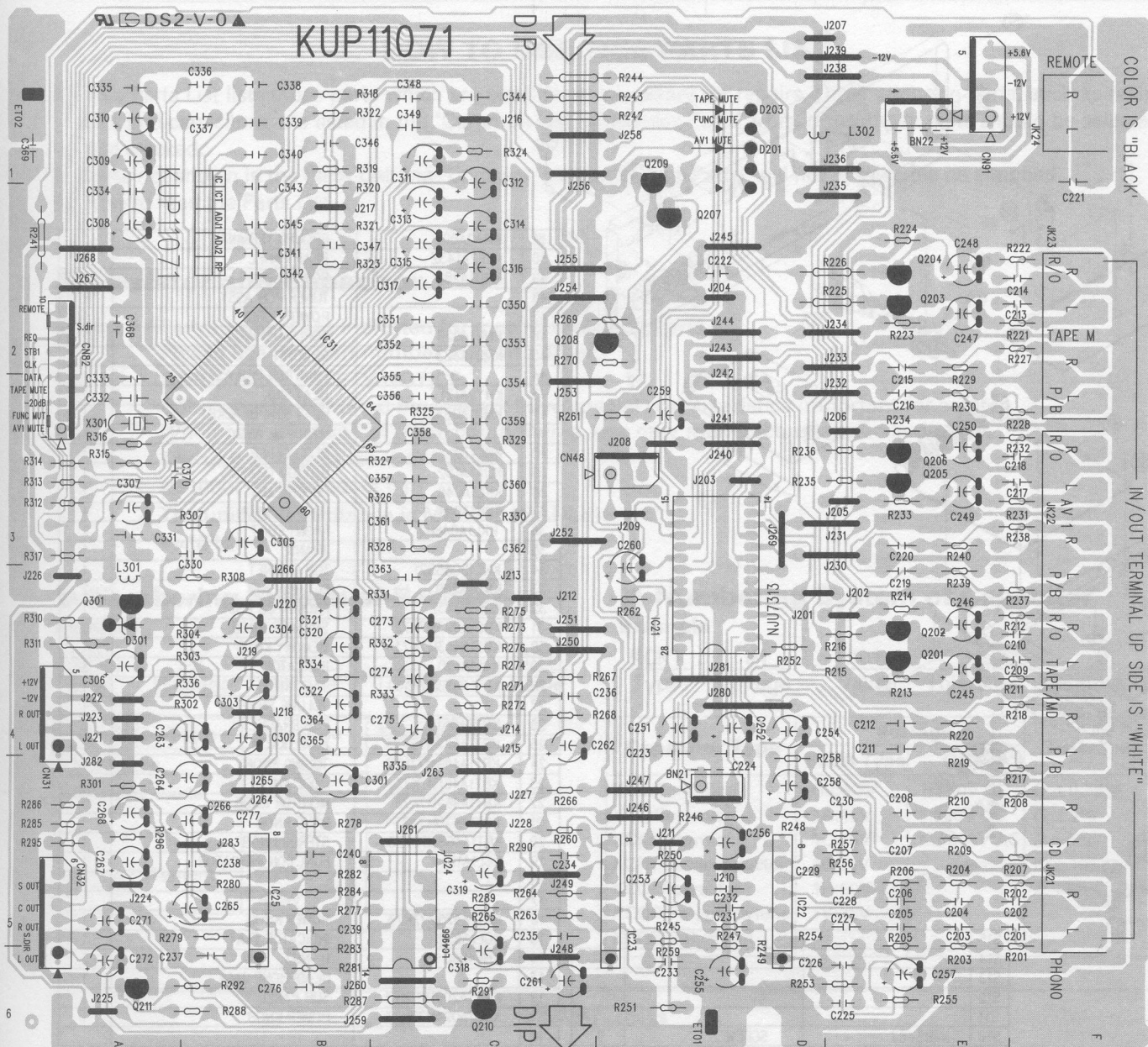


# PARTS LIST

ATTENTION

## AA-V1100 FUNCTION

97 123456  
789101112



COLOR IS "BLACK"

IN/OUT TERMINAL UP SIDE IS "WHITE"



REF NO.	PART NO.	DESCRIPTION	REF NO.	PART NO.	DESCRIPTION
<b>P. C BOARD BLOCK PART NO.</b>					
	Part No.	Description			
	1. KOP11071	FUNCTION PCB ASS'Y	BN91	KWZAAV1100BN91	WIRE ASS'Y
	2. KOP 11072	AMP PCB ASS'Y	BN92	KWZAAV1100BN92	WIRE ASS'Y
	3. KOP11073	FRONT PCB ASS'Y	CN33	KJP07GB03ZM	WAFER
	4. KOP 11074	TUNER PCB ASS'Y	CN51	KJP06GA63ZY	WAFER
	5. KOP 11075	TR ARRAY PCB ASS'Y	CN52	KJP03GA63ZY	WAFER
	6. KOP 11106	REMOCON PCB ASS'Y	CN61	KJP06GA01ZM	WAFER
FUNCTION PCB BLOCK CONSISTS FOLLOWING P.C.B			CN83	KJP08GB46ZM	WAFER
* FUNCTION CONTROL P. C. BOARD			CN84	KJP07GA01ZM	WAFER
* DOLBY SURROUND P. C. BOARD			CN88	KJP03GB03ZM	WAFER
AMP PCB BLOCK CONSISTS FOLLOWING P. C. B			CN92	KJP02GA61ZP	WAFER
* POWER SUPPLY P. C. BOARD			C620	△ KCKW2H223ZF	CAP, CERAMIC
* VIDEO CONTROL P. C. BOARD			C652, 653	△ KCETS63V682	CAP, ELECT
FRONT PCB BLOCK CONSISTS FOLLOWING P. C. B			C920	△ KCEA1EH471E	CAP, ELECT
* μ - COM P. C. BOARD			C922, 923	△ KCEA1EH222E	CAP, ELECT
* SP SWITCH P. C. BOARD			D615	△ BVDPBU604F	DIODE, BRIDGE
* TONE CONTROL P. C. BOARD			IC61	BVINJM2279D	IC, VIDEO
* MASTER VR P. C. BOARD			IC62, 63	BVINJM4558L	IC
* AV2 INPUT P. C. BOARD			JK51	KJJ4P020Z	JACK, BOARD
* POWER SW P. C. BOARD			JK91	KJJ5P012Z	TERMINAL, SPEAKER
<b>1. FUNCTION PCB</b>			JK92	KJJ5P013Z	TERMINAL, SPEAKER
BN21	KWZAAV1100BN21	WIRE ASS'Y	JK93	KJJ5R003Z	TERMINAL, SPEAKER
BN22	KWZAAV1100BN22	WIRE ASS'Y	L601~L603	△ KLEYK1R8KA	COIL
CN31	KJP05GA01ZM	WAFER	Q914	△ KVTKTB1366Y	T.R
CN32	KJP06GA01ZM	WAFER	Q915	△ KVTKTD2058Y	T.R
CN48	KJP03GA01ZM	WAFER	RL91	△ BSL4A004ZU	RELAY
CN82	KJP10GA19ZM	WAFER	RL92	△ KSL4B003ZW	RELAY
CN91	KJP05GA01ZM	WAFER	R645~R648	KRG1ANJ4R7H	RES, METAL, OXIDE FILM
ET01	KMA2A001	TERMINAL, GROUND	R661		
IC21	BVINJU7313L	IC	R925~R927	△ KRQ1AJR47H	RES, FUSH
IC22, 23	BVINJM4558L	IC	R928, 929	△ KRG1ANJ220H	RES, METAL, OXIDE FILM
IC24	BVILC4966	IC	W901	KWZAAV1100W91	WIRE ASS'Y
IC25	BVINJM4558L	IC	<b>3. FRONT PCB</b>		
JK21, 22	KJJ4R012Z	TERMINAL, IN/OUT	BN31	KWZAAV1100BN31	WIRE ASS'Y
JK23	KJJ4P014Z	JACK, IN/OUT	BN32	KWZAAV1100BN32	WIRE ASS'Y
JK24	KJJ4N026Z	JACK, BOARD	BN33	KWZAAV1100BN33	WIRE ASS'Y
X301	BVFZTA4, 00MG	RESONATOR, CERAMIC	BN81	KWZAAV1100BN81	WIRE ASS'Y
<b>2. AMP PCB</b>			BN82	KWZAAV1100BN82	WIRE ASS'Y
BK51	KMD1A081	BRACKET, PCB	BN83	KWZAAV1100BN83	WIRE ASS'Y
BN48	KWZAAV1100BN48	WIRE ASS'Y	BN84	KWZAAV1100BN84	WIRE ASS'Y
BN51	KWZAAV1100BN51	WIRE ASS'Y	BN85	KWZAAV1100BN85	WIRE ASS'Y
BN61	KWZAAV1100BN61	WIRE ASS'Y	BN86	KWZAAV1100BN86	WIRE ASS'Y
			BN88	KWZAAV1100BN88	WIRE ASS'Y
			BRK3~BRK6	KHE170	HOLDER, PCB



